TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

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TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTINUE NO WAS KILOME TASK NO. NAS5-AMENDMENT QSS Group, Inc. 99124

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK:

Contractor shall serve as a member of the Triana AOCS (Attitude and Orbit Control System) Analysis Team. supporting Code 572, the Flight Dynamics Analysis Branch of the Guidance, Navigation and Control Engineering Center.

Contractor shall use his detailed and specific knowledge of the design and implementation of Triana's AOCS (Attitude and Orbit Control System) design and implementation in performing the following work:

- 1) Perform AOCS analyses and simulations of Triana's unique, gyroless Safe Hold Mode, the Science Mode controller, including flexible-body mode characteristics and the stabilization of those modes, and all remaining AOCS control modes.
- * 2) Perform software test support tasks as assigned by the Triana AOCS Analysis Lead.
- * 3) Attend meetings, support reviews, and interface with other subsystem and Project personnel.
- 4) Generate analysis reports, memos, and viewgraph presentations to document results.
- 5) Provide monthly technical progress reports.

PERFORMANCE SPECIFICATIONS:

Reports and Documents: Technical performance will be based on thoroughness and completeness of written reports. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in MS Office compatible format via either diskette or email.

Technical Progress Reports: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention. Report to include: (1) summary of monthly progress: (2) plans for next month; (3) problems; (4) issues; and (5) resolution of problems/issues.

Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

APPLICABLE DOCUMENTS:

None.

TASK END DATE:

MILESTONES/DELIVERABLES AND DATES:

1. Technical Progress Reports Monthly, 15th of the month 2. Review and approve AOCS Software Build 1.1 Performance Test results 2/1/01 3. Document Safehold Stability Analysis; complete conference paper 4/1/01 5/15/01 4. Review and approve AOCS Software Build 2.0 Performance Test results 5. Support flight operations team (FOT) training and simulations 11/1/01 6. Support launch readiness review 12/1/01 7. Support launch and early operations; support calibration planning 1/31/02

PERFORMANCE STANDARDS:

On-time delivery/completion of deliverables/milestones Schedule: Technical: ATR's acceptance of the above

1/31/02

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Wendy Morgenstern, building 11, room S102